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| Lockheed Aircraft Corp. P.O. Box 105 San Valley, California | | Engineering Study <input checked="" type="checkbox"/> Change Proposal <input checked="" type="checkbox"/> | |
| No. LAC - 2 Rev. #1 | Date 3-5-59 | Affected Activities: <input checked="" type="checkbox"/> WSPO <input checked="" type="checkbox"/> Project | |
| Name of Major Component Airplane | Part or Lowest Subassembly Fuel System | Part No. & Model or Type | |
| Title of Proposal: Fuel System Vent | | | |
| Nature of Proposal: The fuel vent system will be modified per S.B. 369 & S.B. 372. Details of this modification can be seen in the attached preliminary runs of the two service bulletins involved. | | | |
| Reason for Proposal: Engineering studies and flight tests reveal fuel tank pressure on the order of 4 psi and higher which causes fuel to be pumped into the sump tank thru the vent lines. Also, these high pressures simultaneously combined with high load factors could possibly lead to structural damage. The vent system described in S.B. 369 & S.B. 372 will keep these pressures to 2 psi when using LF1A or MIL Spec. 2552 4A fuels. | | | |
| <div style="text-align: right;"> <i>See Hdzs approval no 59-4</i> (Cont. on attached page) </div> | | | |
| Estimated Cost and Time Involved | | See Cost Recap on Page 2 | |
| Additional Funding Required None | | 25X1 | |
| Estimated Cost for Kits or Parts | | WSPO \$465.00 ea. - Project \$535.00 ea. | |
| Additional Funding Required None | | | |
| Items Affected by Proposal: <input checked="" type="checkbox"/> Safety <input checked="" type="checkbox"/> Mission Effectiveness <input type="checkbox"/> Performance <input checked="" type="checkbox"/> Operating Procedure <input type="checkbox"/> Inter-changeability <input checked="" type="checkbox"/> Weight or Weight & Bal. <input type="checkbox"/> Tools & Support Equipment <input checked="" type="checkbox"/> Maintenance Procedure <input type="checkbox"/> Service Life <input checked="" type="checkbox"/> Pilots Handbook <input checked="" type="checkbox"/> E & M Manual <input type="checkbox"/> O'Haul Manual <input type="checkbox"/> Parts Catalog | | | |
| Est. Man/Hrs. Req'd. to Accomplish Change in Field | | | |
| Source Of Parts For Kit LAC | | Availability March 23, 1959 | |
| Spares Affected Yes | | Disposition | |
| Initiated By: LAC | | Approved WSPO Project | |

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Reason for Proposal (cont.)

This will relieve tanks of excess pressure; keep the sump tank overflow light from coming on; eliminate the possibility of ever pumping fuel overboard thru the vent system; keep tanks from developing negative pressure on letdown thus keep low level lite out.

Recap of Fuel Vent Development Costs

Design
Shop
Flight Test

Total



25X1

These costs have been incurred and charged to the existing SP-1918 Contracts, 50% to each customer.

Recap of Kit Costs

| | |
|-----------------------------------|--------------|
| WSPO Type | \$465.00 ea. |
| Project Type W/slipper tank prov. | \$535.00 ea. |